

Sheet 1 of 8FORM PTO-1649  
(REV 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

9908.420CIP

SERIAL NO.

810,002

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Frederick S. Hagen et al.

FILING DATE

December 16, 1985

GROUP

128

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KM	AA 4,456,591	6/26/84	Thomas			RECEIVED
KM	AB 4,459,288	7/10/84	Thomas			AUG 12 1986
KM	AC 4,382,083	5/3/83	Thomas			GROUP 120
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## FOREIGN PATENT DOCUMENTS

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						YES
						NO
	AL					
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

KM	AR	D.S. Anson et al., "Expression of Active Human Clotting Factor IX from Recombinant DNA Clones in Mammalian Cells", Nature 315:683-685, 1985.  14
KM	AS	S. Busby et al., "Expression of Active Human Factor IX in Transfected Cells", Nature 316:271-273, 1985.  14
KM	AT	G.G. Brownlee et al., "Clotting Factor VIII Cloned", Nature 312:326-330, 1984.  14

EXAMINER

Karen Mawrey

DATE CONSIDERED

2/13/87

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Sheet 2 of 8

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KM	AR	J. Gitschier et al., "Characterization of the Human Factor VIII Gene", Nature 312:326-330, 1984. <i>14</i>
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KM	AR	J.J. Tooler et al., "Molecular Cloning of a cDNA Encoding Human Anti-Haemophilic Factor", <u>Nature</u> 312: 342-347, 1984.  <i>[initials]</i>
KM	AS	W. Kisiel et al., "Enzymological Aspects of Blood Coagulation", <u>Behring Inst. Mitt.</u> 73:29-42, 1983.  <i>[initials]</i>
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KM	AR	B.A. McMullen et al., "The Occurrence of Beta-Hydroxyaspartic Acid in the Vitamin K-Dependent Blood Coagulation Zymogens", Biochem. Biophys. Res. Comm. 115:8-14, 1983.
KM	AS	M. Zur et al., "The Esterase Activity of Coagulation Factor VII", J. Biol. Chem. 253:2203-2209, 1978.
KM	AT	K. Kurachi et al., "Isolation and Characterization of a cDNA Coding for Human Factor IX", Proc. Natl. Acad. Sci. USA 79:6461-6464, 1982.

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KM	AR	R.G. DiScipio et al., "A Comparison of Human Prothrombin, Factor IX (Christmas Factor), Factor X (Stuart Factor), and Protein S", Biochem. 16:698-706, 1977.
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Sheet 6 of 8

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KM	AR	W. Kisiel et al., "Isolation and Characterization of Human Factor VIIa", Thromb. Res. 22:375-380, 1981.
KM	AS	K. Katayama et al., "Comparison of Amino Acid Sequence of Bovine Coagulation Factor IX (Christmas Factor) with that of Other Vitamin K-Dependent Plasma Proteins", Proc. Natl. Acad. Sci. USA 76:4990-4994, 1979.
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KM	AR	G.A. Vehar et al., "Bioengineering of Blood Plasma Proteins", Scand. J. Haematol. (Suppl. 40) 33:45-51; 1984.  14
KM	AS	R. Flengsrud, "Purification and Some Characteristics of the Human Coagulation Factor VII", Eur. J. Biochem. 98:455-464, 1979.
KM	AT	K.H. Choo et al., "Molecular Cloning of the Gene for Human Anti-Haemophilic Factor IX", Nature 299:178-180, 1982.  14

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KM	AR	D.S. Anson et al., "The Gene Structure of Human Anti-Haemophilic Factor IX", EMBO J. 3:1053-1060, 1984.  IV
KM	AS	G.J. Broze et al., "Purification and Properties of Human Coagulation Factor VII", J. Biol. Chem. 255:1242-1247, 1980.  IV
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